QC ABSTRACT

NAME OF WORK: Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		2	2
		Finess by Air permeablity method	One Test		2	2
		Density	One Test		2	2
		Standard Consistency	One Test		2	2
		Initial Setting time	One Test		2	2
		Final Setting time	One Test		2	2
		Soundness (Le Chatelier's Method)	One Test		2	2
		Compressive Strength	One Test		2	2
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		2	2
		Flakiness Index	One Test		2	2
		Elongation Index	One Test		2	2
		Specific Gravity	One Test		2	2
		Bulk Density(Loose)	One Test		2	2
		Bulk Density(Compacted)	One Test		2	2
		Water Absorption	One Test		2	2
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		2	2
		Flakiness Index	One Test		2	2
		Elongation Index	One Test		2	2
		Specific Gravity	One Test		2	2
		Bulk Density(Loose)	One Test		2	2
		Bulk Density(Compacted)	One Test		2	2
		Water Absorption	One Test		2	2
		Aggregate crushing Value	One Test		2	2
		Aggregate Impact Value	One Test		2	2
4	Fine aggregate	SIEVE ANALYSIS	One Test		2	2
		Water Absorption	One Test		2	2
		Specific Gravity	One Test		2	2
		Material finer than 75 micron	One Test		2	2
5	Steel	Bend test	One Test		2	2
		Tensile Test	One Test		2	2
		Yield Test	One Test		2	2
		ReBend test	One Test		2	2
6	Block(400*200*200)	BLOCK DENSITY	One Test		2	2
		WATER ABSORPTION	One Test		2	2
		DIMENSION ANALYSIS	One Test		2	2
		COMPRESSIVE STRENGTH	One Test		2	2
7	PCC(M15)	Compressive Strength(7days and 28days)	3 set /1-5 cum	4	3	3
8	RMC(M25)	Compressive Strength(7days and 28days)	18 set /31-100 cum	684.12	18	18

Assistant Executive Engineer, Kodigehalli Division

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-28-05-2020-96** **Date: 07-05-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 05-05-19

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 05-05-19

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.46	–
2	Finess by Air permeablity method (m^2/kg,Min)	255.8	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Z[illegible] B.B.M.P.,
Bangalore

CIVIL PRO BANGALORE Sig. Date

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-28-05-2020-96** **Date: 02-06-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Ko ehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 05-05-19

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6

Date of test : 05-05-19

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
Sl.No.	**Physical properties**	**Results**	**Requirement as per IS 12269: 2013**
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

AE(Civ)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Z[illegible] B.B.M.P.
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-28-05-2020-96** **Date: 08-05-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 05-05-19

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 05-05-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000 grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	234	234	1.6	98.4	90-100
3	20 mm	5334	5568	37.1	62.9	30-70
4	10 mm	4788	10356	69.0	31.0	10-35
5	4.75 mm	4354	14710	98.1	1.9	0-5
6	Pan	290	15000	100.0	0	---

Ashly.N.D
AE(ast)

CIVIL PRO Sig. Date. BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-28-05-2020-96** **Date: 08-05-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.6	
3	Specific Gravity	2.69	–
4	Bulk Density(Loose) (Kg/l)	1.54	–
5	Bulk Density(Compacted) (Kg/l)	1.58	–
6	Water Absorption(%)	0.24	–

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

CIVIL PRO Sig. Date BANGALORE

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-28-05-2020-96** **Date: 07-05-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 05-05-19

Sample Type/ Size : 20mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 05-05-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000 grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	245	245	4.9	95.1	90-100
3	10 mm	2675	2920	58.4	41.6	25-55
4	4.75 mm	1798	4718	94.4	5.6	0-10
5	Pan	282	5000	100	0	–

Ashwini.N.D.
AE (Civil)

CIVIL PRO Sig. Date BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-28-05-2020-96** **Date: 07-05-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.2	
3	Specific Gravity	2.64	–
4	Bulk Density(Loose) (Kg/l)	1.52	–
5	Bulk Density(Compacted) (Kg/l)	1.56	–
6	Water Absorption(%)	0.24	–
7	Aggregate crushing Value(%)	22.6	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	21.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Ashwini.N.D.
AE(Ward)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-28-05-2020-96** **Date: 07-05-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 05-05-19

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 05-05-19

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

CIVIL Pro Sig. Date. BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-28-05-2020-96** **Date: 07-05-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE(WS)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

CIVIL PRO Sig. Date

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID : **CP-28-05-2020-96** **Date: 29-05-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 26-05-19

Sample Type/Size : Solid concrete blocks size (400X200X200)mm

Reference to BIS codes : IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification
Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)

Date of test : 26-05-19

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	399	200	203	16199	31.313	1932.9	1973.4	Not less than 1800Kg/m^3
2	401	198	200	15880	32.094	2021.1		
3	403	202	203	16525	32.490	1966.0		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

AE(Qty)

CIVIL PRO Sig. Date BANGALORE

Lab ID : **CP-28-05-2020-96** **Date: 29-05-19**

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	201	203	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	400	202	202	
3	399	203	200	
4	402	202	203	
5	402	202	201	
6	401	202	202	
7	404	201	200	
8	402	199	201	
9	400	201	203	
10	402	201	200	
11	403	202	200	
12	403	201	199	
13	404	201	203	
14	402	201	200	
15	401	202	202	
16	403	200	202	
17	402	200	201	
18	400	199	202	
19	403	200	202	
20	402	203	200	
Average of 20	**402**	**201**	**201**	

CIVIL PRO Sig. Date BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Lab ID : **CP-28-05-2020-96** **Date: 29-05-19**

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	201	80327	355.7	4.4	5.2
2	400	202	80981	390.6	4.8	
3	399	203	80981	363.2	4.5	
4	402	202	81142	377.7	4.7	
5	402	202	81239	378.5	4.7	
6	401	202	80865	355.3	4.4	
7	404	201	81195	353.6	4.4	
8	402	199	80010	382.0	4.8	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE (civil)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

CIVIL Pro
Sig.
Date
BANGALORE

****End of Report****

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID : **CP-28-05-2020-96** **Date: 06-05-19**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 05-05-19

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 05-05-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.395	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.618	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.522	572	688	19.5%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.451	678	678	18.5%	Satisfactory	Satisfactory
6	Sunvik	Fe500	25	3.472	597	712	18.0%	Satisfactory	Satisfactory

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE(W9)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-28-05-2020-96** **Date: 06/08/2019**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 31-07-19

Customer ID : Roof Slab Concrete First Gloor

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	150.91 X 149.03 X 150.12	22490	**8.870**	520.1	23.1	22.9
2	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	150.71 X 151.73 X 151.84	22866	**8.089**	525.9	23.0	
3	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	150.27 X 149.44 X 150.91	22456	**8.419**	507.4	22.6	

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P.

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-28-05-2020-96** **Date: 27/08/2019**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 31-07-19

Customer ID : Roof Slab Concrete First Gloor

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	151.25 X 149.21 X 151.08	22569	**8.058**	615.9	27.3	27.5
2	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	150.12 X 149.49 X 151.55	22441	**8.860**	603.5	26.9	
3	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	149.28 X 150.78 X 149.39	22508	**8.483**	637.9	28.3	

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE (WS)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-28-05-2020-96** **Date: 06/08/2019**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 31-07-19

Customer ID : Roof Slab Concrete First Gloor

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	149.81 X 150.52 X 150.41	22549	**8.870**	535.2	23.7	22.8
2	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	151.84 X 151.44 X 149.19	22995	**8.089**	517.1	22.5	
3	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	150.13 X 151.71 X 151.85	22777	**8.419**	505.5	22.2	

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-28-05-2020-96** **Date: 27/08/2019**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 31-07-19

Customer ID : Roof Slab Concrete First Gloor

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	151.72 X 150.34 X 150.71	22809	**8.058**	635.9	27.9	27.5
2	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	151.56 X 149.19 X 149.96	22611	**8.860**	598.8	26.5	
3	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	149.08 X 151.30 X 150.94	22557	**8.483**	634.1	28.1	

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE(UC)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-28-05-2020-96** **Date: 06/08/2019**

Project Name : Construction of Basavalingappa Samudhaya Bhavana ir yatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 31-07-19

Customer ID : Roof Slab Concrete First Gloor

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	149.81 X 149.21 X 149.54	22352	**8.870**	517.7	23.2	22.6
2	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	149.36 X 151.48 X 151.21	22625	**8.089**	507.6	22.4	
3	Roof Slab Concrete First Gloor	M25	30/07/2019	06/08/2019	151.38 X 149.14 X 149.54	22576	**8.419**	501.4	22.2	

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig Date BANGALORE

AE(WS)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-28-05-2020-96** **Date: 27/08/2019**

Project Name : Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

Agency : Sri K. Shankar Reddy #03,1st Cross Veeranna Palya, Ramachandrappa layout Bangalore-560045

Customer's Reference : BBMP/EE/BTP/W.O/10/2019-20

Date of Receipt : 31-07-19

Customer ID : Roof Slab Concrete First Gloor

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	151.70 X 149.20 X 149.67	22634	**8.058**	630.0	27.8	27.6
2	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	149.89 X 150.67 X 150.56	22583	**8.860**	592.4	26.2	
3	Roof Slab Concrete First Gloor	M25	30/07/2019	27/08/2019	151.61 X 150.27 X 151.09	22782	**8.483**	655.0	28.8	

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka, B.B.M.P.,

CIVIL Pro Sig. Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****